

CLAIMS

1. A manufacturing method of a honeycomb structural body with a sealing material layer formed on a peripheral portion of a pillar-shaped porous honeycomb member,
5 comprising:
a sealing material applying step of applying a paste-like sealing material, which is a raw material of said sealing material layer, onto a circumferential face of said pillar-shaped porous
10 honeycomb member; and
a scraping step of fitting a ring-shaped scraper, which can be brought into contact with the circumferential face of said pillar-shaped porous honeycomb member so as to slide thereon, to said pillar-shaped porous honeycomb member and moving said
15 ring-shaped scraper in the length direction, thereby expanding the paste-like sealing material applied onto the circumferential face of said pillar-shaped porous honeycomb member so as to spread over the entire circumferential face of said pillar-shaped porous honeycomb member.
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2. The manufacturing method according to claim 1,
which employs a pillar-shaped porous honeycomb member having a cross-sectional shape perpendicular to the length direction that is other than a round shape.
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3. A sealing material used in the manufacturing method of a honeycomb structural body according to claim 1 or 2,
wherein
a viscosity is in a range from 15 to 45 Pa·s.
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4. A sealing material used upon manufacturing a honeycomb structural body with a sealing material layer formed on a peripheral portion of a pillar-shaped porous honeycomb member,
comprising:
35 an inorganic filler; and an inorganic binder,

wherein

said inorganic filler has an aspect ratio in a range from 1.01 to 10.00.